Panasonic

proImaging 2013

SOLUTIONS FOR BUSINESS

2013

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ENDURING PASSION. AFFORDABLE DREAMS.

Panasonic is committed to listening to the voice of the professional imaging community. As a result, with every new product introduction, Panasonic strengthens its commitment to the imaging industry with affordable, reliable, and industry leading imaging technology.

PANASONIC ASSET SUPPORT SYSTEM

Upon registration, the Panasonic Asset Support System (PASS) assists P2 and AVCCAM users with warranty programs beyond the normal one year manufacturers warranty. The P2 Asset Support System provides an additional four years to the normal one year manufacturers warranty while the AVCCAM Asset Support System provides an additional two years to the normal one year manufacturers warranty. To register product and for full program details, please visit http://panasonic.biz/sav/pass_e.

**Program registration must take place within 30-days of purchase. Not all models are eligible for extended warranty coverage and extended warranty is not available in some countries/regions. The basic warranty period my vary depending upon the country/region. Not all repair work is covered by the extended warranty. The maximum warranty period may be adjusted depending on the number of hours the device has been used. Refer to the warranty card for full warranty coverage details or visit http://panasonic.biz/sav/pass_e*

3D HD PRODUCTION SYSTEMS

AG-3DP1 - INTEGRATED 3D CAMERA RECORDER

- 1/3" 3MOS two sets of three image sensors
- 1920 x 1080 10bit 4:2:2 recording
- AVC-Intra 100,50; P2 Card 2 slots
- 1080/60i, 50i, 30p, 25p,24p; 720/60p, 50p, 30p, 25p, 24p
- Variable frame rates
- XLR audio input
- HD-SDI output x 2
- Genlock In, TC In/out
- 3D assist function
- 3D convergence control

3D PROFESSIONAL
AVC INTRA
P2HD

AG-3DA1 - INTEGRATED TWIN-LENS FULL HD 3D CAMERA RECORDER

- Twin-lens/twin 1920 x 1080, 2.07 mega-pixel 3MOS image sensors
- AVCHD recording format: 1080/60i, 50i, 30p, 25p and 24p (native), 720/60p and 50p
- Interface: Dual L/R HD-SDI out and HDMI. XLR audio connectors
- Weight: Less than 3 kg (6.6 lb) (main unit only)

3D PROFESSIONAL
AVCCAM

AG-HMX100 MULTI-FORMAT DIGITAL AV AUDIO MIXER/VIDEO SWITCHER

- Frame Synchronizer/Digital Effector
- 12-bit Internal processing
- 7 Video Inputs/6 Video Outputs
- Over 100 wipe patterns & mixes
- 10 Audio Inputs (AUX & MIC)
- 3D video switcher/dual SDI signal inputs

AVCCAM SERIES

AG-AC160A - AVCCAM 1/3” 2.2MP 3MOS CAMCORDER

- 1920 x 1080
- 21x HD zoom lens
- SD/SDHC/SDXC card compatible - 2 slots
- Focus-in-Red & Turbo-Speed One-Push AutoFocus
- 50Hz/60Hz switchable; 1080,720,576,480; 1080/60P/50P
- Variable frame rates
- XLR Audio input x2 (+48V)
- HDMI output; HDSDI output; IEEE1394 output

AG-AC90P

- 1 /4” 2.2M 3MOS Full HD Image, Low Noise, High Sensitivity, BSI Sensor
- Optical 12X Zoom with Advanced OIS F1.5 – 2.8 f (35mm equivalent) 29.8 – 357.6mm
- 3 ring operation: focus, zoom, iris
- HD: 1080/(60Hz)/(50Hz) 1080 60P, 30P,24P
- SD: 480/60i 576/50i AVCHD (H.264)
- 28Mb/s PS Mode, 1080p/60
- 2 SD card slot (SD/SDHC/SDXC)
- Still recorded frame-3 megapixel
- HDMIx1, Multi-AVx1, XLRx2, USBx1

AG-HMC80P - AVCCAM HD SHOULDER-MOUNT CAMCORDER WITH DV RECORDING

- Records AVCHD format 1920 x 1080 or 1280 x 720
- 7” LCD with wide-viewing angle
- 12x optical zoom 40.8mm (35mm lens equivalent) wide-angle setting Lens system
- Cine-like Gamma mode
- Built-in stereo microphone

P2HD SERIES CAMCORDERS

AJ-HPX3100G - 2/3"-type 3CCD P2 HD CAMERA RECORDER

- 2.2 megapixel 2/3" 3CCD (full 1920 x 1080 HD images)
- Recording format: AVC-Intra 100 codec with 10 bit / 4:2:2 sampling
- Supports 24 bit audio recording (AVC-Intra 50/100)
- Chromatic Aberration Compensation (CAC) function
- Dynamic Range Stretch (DRS) function
- Multi format HD capability: 1080/60i, 30p, 24p, 24pA, 50i and 25p
- SD format: 480i/576i recording in DVCPRO50, DVCPRO and DV

P2HD AVC-INTRA

AG-HPX600 NEW-CONCEPT 2/3" SHOULDER-TYPE CAMERA RECORDER

- Supports the New AVC-ULTRA family of codecs
- Light weight of 3 kg (6.6 lb)
- 2/3"-type lens mount
- Newly developed MOS sensor
- F12 sensitivity (at 60 Hz) low noise S/N of 59 dB, Dynamic Range Stretch (DRS)
- Comes standard AVC-Intra100/50, DVCPRO HD,50, DVCPRO, DV format
- 50 Hz/60 Hz switchable (standard equipped)
- Variety of optional functions can be added, so users can select and install only the functions they need

AVC ULTRA

AG-HPX370P - 1/3 P2 HD CAMCORDER

- New ULT 1/3" 3MOS image sensors at 2.2 megapixels (Full-HD 1920 x 1080 resolution)
- Recording formats: AVC-Intra 100/50, DVCPRO HD, DVCPRO 50, DVCPRO, DV
- Independent-frame 1080 and 720 images with 4:2:2 10-bit sampling in AVC-Intra 100
- F10 sensitivity and superb image quality
- Chromatic Aberration Compensation (CAC), Dynamic Range Stretch (DRS)
- High-performance Fujinon 17x zoom lens and colour viewfinder

P2HD AVC-INTRA

P2HD SERIES CAMCORDERS (cont.)

AG-HPX250 - P2HD CAMCORDER

- 1/3” 2.2 megapixel 3MOS
- 1920 x 1080 10bit 4:2:2 recording
- 21x HD zoom lens
- AVC-Intra 100/50 /DVCPRO HD; DVCPRO50/DVCPRO/DV
- 50/59.94 switchable; 1080/720/24p/PAL/NTSC
- Focus-in-Red feature
- Turbo-Speed One-Push AutoFocus feature
- Variable frame rates
- GENLOCK/TC in/out
- HDSDI output; HDMI output; 1394 input/output
- Cine-like gamma setting, Dynamic Range Stretch (DRS)

AG-HPX255P - P2HD CAMCORDER

- 1/3” 2.2M 3MOS
- 1920 x 1080 10bit 4:2:2 recording
- 21x HD zoom lens
- AVC-Intra 100/50 /DVCPRO HD; DVCPRO50/DVCPRO/DV
- 50/59.94 switchable; 1080/720/24p/PAL/NTSC
- Focus-in-Red & Turbo-Speed One-Push AutoFocus
- Variable frame rates
- GENLOCK/TC in/out
- HDSDI output; HDMI output; 1394 input/output
- Cine-like gamma setting, Dynamic Range Stretch (DRS)
- Remote connection for EC-4 remote (EC-4 sold separately)

P2 SERIES RECORDERS

AJ-HPM200P - MOBILE AVC-INTRA DVCPRO HD P2 RECORDER/PLAYER

- 10-bit intraframe 4:2:2 quality recording in multiple HD/SD formats (1080p (native), 1080i and 720p)
- Up/down/cross conversion functions, real-time live video up-conversion
- Transfer data via high-speed eSATA or Gigabit Ethernet (GigE)
- Built-in 9-inch LCD monitor with thumbnail clip preview feature
- 2-channel voice over recording (real-time adjustment of audio during playback)
- HD-SDI input/output, IEEE 1394 input output, AES Digital audio input/output

AG-HPD24 - P2 PORTABLE RECORDER/PLAYER

- AVC-Intra 100/50, DVCPRO HD, DVCPRO50, DVCPRO, DV
- 1080 59.94i/50i/25P/24P/23.98P 720 59.94P/50P/24P/23.98P; PAL/NTSC
- 3D Support, USB 3.0, 3.5" LCD
- 24P native recording (w/VFR support)

P2 SERIES DRIVES

AJ-PCD35P – FIVE CARD SLOT P2 DRIVE WITH PCI EXPRESS INTERFACE

- Transfer data at up to 1.2 Gbps

AJ-PCD30 - THREE-SLOT P2 CARD READER

- Super-speed USB 3.0 interface

AJ-PCD2 - SINGLE-SLOT P2 CARD DRIVE

- Dual USB 2.0 Interface (data, power)

CAMERA STUDIO CONTROL SYSTEM

This system is a cost effective solution that can be used with various P2 HD and DVCPRO HD camcorders. BNC cables are used for transmission of HD signals up to 100 m. It can be used for camera and recorder control, power supply, return video, intercom and more. It is suitable for a wide variety of field and studio uses.

AG-BS300P (BASE STATION)

- Digital transmission of main signal, return video, tally, INCOM and Genlock
- Camera recorder controls using only 2 BNC cables
- Maximum 70W external power
- AC (100-240V) / DC

AG-EC4G (EXTENSION CONTROL UNIT)

- Suitable for all HPX and HDX series cameras
- Connected to a base station (AG-BS300P), or directly to a camera
- Up to 50m cables can be used
- Compact and lightweight
- Control various camera operations

AG-CA300G (CAMERA REMOTE CONTROL ADAPTOR)
AG-YA500G (VIEWFINDER INTERFACE BOX)*

- Return video provided to Viewfinder
- Compatible viewfinders: AJ-HVF21G, AJ-VF20WBP, AJ-VF15BP and AJ-CVF100G

** Not compatible with AG-HPX300/370 series.*

HD STUDIO CAMERA

AK-HC3800P - 2/3” 2.2 MEGAPIXEL 1080i NATIVE 3CCD HD STUDIO CAMERA

A Studio and EFP camera system for broadcast application that delivers high-end image quality and enables long-distance
optical fiber transmission at low cost.

- AK-HC3800 together with the AK-HCU200 Camera Control Unit and AK-HRP200G
- The camera and camera control unit can be connected for long-distance transmission of video signals over approximately 1,000 m (1,094 yards) when power is supplied from the camera control unit. The camera control unit and remote operation panel are connected by a dedicated cable.
- F11 (2000 lx) sensitivity, low smear, and an excellent S/N ratio of 60 dB (at 59.94 Hz).
- Switchable between 1080/59.94i and 1080/50i
- 16 bit A/D converter and 38 bit digital signal processing
- Chromatic Aberration Compensation (CAC) function
- Dynamic Range Stretch (DRS) function
- Film Rec Gamma and Scan Reverse
- Internal digital extender (x2 magnification)
- 12-axis colour correction, detail, skin tone detail and matrix adjustment

HD BOX STYLE MULTIPURPOSE CAMERAS

AK-HC1800G - 2/3" 3CCD 2.2 MEGAPIXEL 1080i MULTI-PURPOSE CAMERA

- High sensitivity of F10 (at 2000 lx), signal-to-noise ratio of 60dB
- 14-bit A/D converter with a 38-bit digital signal processor
- 12 axis colour correction circuit for hue and saturation adjustments
- "Intelligent" function automatically adjusts colour temp response and settings
- Iris control, variable gain, ND filters
- Motor driven optical filters (clear, 1/4ND, 1/16ND, 1/64ND)
- 23.98fps or 24fps output at 1080p
- Lens not included

AK-HC1500G - 2/3" 3CCD 16:9 1080i/720p 1.0 MEGAPIXEL

- compact switchable 1080i/720p multi-format HD camera
- Variable frame rates (4fps to 60fps in single-frame increments) HD Multi-format capability
- 1080 (24p / 25p / 30p / 50i / 59.94i / 60i) 720 (50p / 59.94p / 60p)
- Standard sensitivity of F10.0 at 2,000 lux / smear level of less than -130dB
- 14-bit A/D and new DSP provide outstanding functions and image quality
- Hue preservation circuit prevents colour loss in highlight areas
- CineGamma curve for film like recordings
- High sensitivity [shoot as low as 0.015 lux (at +72dB gain)]
- Optional card slot
- Lens not included

AW-HE870N - 2/3" 3CCD HD/SD MULTI-PURPOSE CAMERA

- Video format: 1080 at 59.94i, 720 at 59.94p and 480i at 59.94i
- 38-bit digital signal processor (DSP) 14-bit A/D converter with 12-axis matrix
- High Sensitivity at F10 2,000 lux
- 1/100 to 1/10000 sec shutter speeds; 61.19 Hz to 1,466 Hz synchro-scan
- Built-in down convert, HD/SD switchable, simultaneous HD component and SD composite output
- Optional card slot (AW-HHD870) card adds two switchable HD/SD SDI outputs)

HD SPECIALTY PRODUCTS

AW-HE120K/W - 1/3" TYPE FULL HD 3MOS PAN/TILT/ZOOM CAMERA

- 20x zoom lens - [Wide angle (32.1 mm) / Telephoto (642 mm), 35 mm equivalent]
- 10x digital zoom
- 2.2 Megapixel, FULL HD 3-MOS system
- Supports remote operation via IP connection
- Multi-format capable (1080i, 720p and 480i), with HD and SD output
- SDI, HDMI and analog outputs
- Dynamic Range Stretch (DRS) function
- Pan range: +/-175° / Tilt range: -30° to 210°
- Optional wireless remote control (operate up to 4 cameras)
- Up to 100 preset memory per camera (with optional remote controller AW-RP50)
- AW-HE120K (black) AW-HE120W (white)

AW-HE60 - MULTI-FORMAT HD/SD INTEGRATED PAN/TILT/ZOOM CAMERA

- Complete Internet Protocol (IP) control with image monitoring (JPEG, H.264)
- Full HD MOS system 1080/59.94i, 1080/29.97 psf 1080/50i,1080/25 psf, 720/59.94p, 720/50p, 480/59.94i, 576/50i
- 18x High-quality HD optical lens 10x Digital zoom
- Dynamic Range Stretch (DRS) Function
- Electronic shutter (1/100 to 1/10,000 sec)
- Ceiling mount bracket included
- AW-HE60H (HDMI output) AW-HE60S (HD/SD-SDI, genlock input)
- Night Mode - IR Shooting

AW-HE2 FULL-HD MOS COMPACT CAMERA WITH ELECTRONICS PAN/TILT/ZOOM P/T/Z

- IP live video image monitoring for remote preview and control
- IP control via AW-RP50, computer with browser or 3rd party controllers
- Compatible with the AW-RM50G wireless infrared remote
- Picture-in-picture functionality
- Nine pre-set memories
- Adjustable shutter speed, auto gain, white balance and back light compensation
- Stereo microphone, stereo audio imbedded in HDMI output
- Table/wall/ceiling mount included as well as 1/4-20 screw thread mount
- HDMI output provides: 1080/60P, 1080/50P, 1080/59.94i, 1080/50i (30P & 25P), and 720/50P
- Horizontal resolution: 850 lines
- DC connector/USB connector, AC power supply included

HD SPECIALTY PRODUCTS (cont.)

AW-RP50N – SUB-COMPACT REMOTE CAMERA CONTROLLER

- IP and serial connections
- IP control up to 100 AW-HE50/HE60S/H units using a network hub
- Automatic IP setup function
- Control one camera simultaneously with up to 5 AW-RP50N via IP connection
- Connection settings can be configured via PC
- Serial control up to 5 Panasonic pan/tilt heads*1, integrated*2 or box cameras*3
- Weight: Approx. 1.1kg (without options)

1 Compatible models: AW-PH405, AW-PH400 (AW-IF400 is required) , AW-PH360, AW-PH650
2 Compatible models: AW-HE50, AW-HE100, AW-HE120
3 Compatible models: AK-HC1800, AK-HC1500, AW-HE870, AW-E860, AW-E750, AW-E655, AW-E650, AW-E350

AW-HS50N – SUB-COMPACT MULTI FORMAT HD/SD LIVE SWITCHER

- 5 input, 3 output switcher in sub-compact ½ rack-width design
- 4 HD/SD-SDI, 1HD DVI-D Inputs
- 2 HD/SD-SDI/1 scalable DVI-D Output
- 10-bit processing capacity
- Multi-viewer displays up to 10 images
- AUX bus, PinP, chroma keyers
- Dedicated hardware for PinP
- Complete IP production system
- IP Link with the AW-RP50 controller
- Built-in 10-bit frame synchronizers
- On-screen display

AW-RP120 REMOTE CAMERA CONTROLLER

NEW

- IP connection and control of up to 100 remote cameras
- Storage setting to SD card
- Automatic IP allocation
- Multi-control IP connection allows five AW-RP120G controllers to simultaneously control one remote camera
- RS-422 serial control of 5 cameras can be connected and controlled
- RS232C port enables external control
- IP connection allows linking with an AW-HS50N/E compact live switcher
- Preset/Tracing memory functions
- Colour Image Adjustment function

SWITCHERS / MIXERS

AG-HMX100 - DIGITAL AV MIXER

- Multi-format video switcher/audio mixer
- Frame synchronizer / digital effector
- 7 video inputs / 6 video outputs
- 10 audio inputs (AUX & MIC)
- Matrix menu/rotary Switch
- 3D video switcher/dual sdi signal inputs
- 12-bit Internal processing
- Over 100 wipe patterns & mixes
- Audio level as multi-view Overlay

AV-HS410N - COMPACT MULTI-FORMAT HD/SD LIVE SWITCHER

- Nine Standard Inputs: Eight SDI and one DVI
- Six Standard Outputs: Five SDI and one DVI
- Built-in 178 mm (7 inch) colour LCD displays menus, image, waveform/vectorscope
- Built in frame synchronizer for all input channels
- High quality Primatte® chroma key
- Memory preview function
- Supports Plug-in API function for external control, external camera control, output of status data
- SDHC/SD memory card slot
- Optional: Additional four inputs/four outputs maximum:
  - AV-HS04M1 SDI input board (HD/SD with SD up-conversion)
  - AV-HS04M2 HD/SD analog component input board with SD up-conversion
  - AV-HS04M3 DVI input board with two DVI inputs with up-conversion
  - AV-HS04M4 HD/SD analog component output board x 2 (Y/PB/PR)
  - AV-HS04M5 DVI/Component output board
  - AV-HS04M6 Analog composite input board, composite x 2 (Built-in Up-converter)
  - AV-HS04M7 SDI output board (HD/SD)
  - AV-HS04M8 Full-HD DVI input board (2-DVI inputs)
- Enhanced multiviewer display
- Easy to use control panel

AW-HS50N – SUB-COMPACT MULTI FORMAT HD/SD LIVE SWITCHER

- 5 input, 3 output switcher in sub-compact ½ rack-width design
- 4 HD/SD-SDI, 1HD DVI-D Inputs
- 10-bit processing capacity
- AUX bus, PinP, chroma keyers
- Complete IP production system
- Built-in 10-bit frame synchronizers
- 2 HD/SD-SDI/1 scalable DVI-D Output
- Multi-viewer displays up to 10 images
- Dedicated hardware for PinP
- IP Link with the AW-RP50 controller
- On-screen display

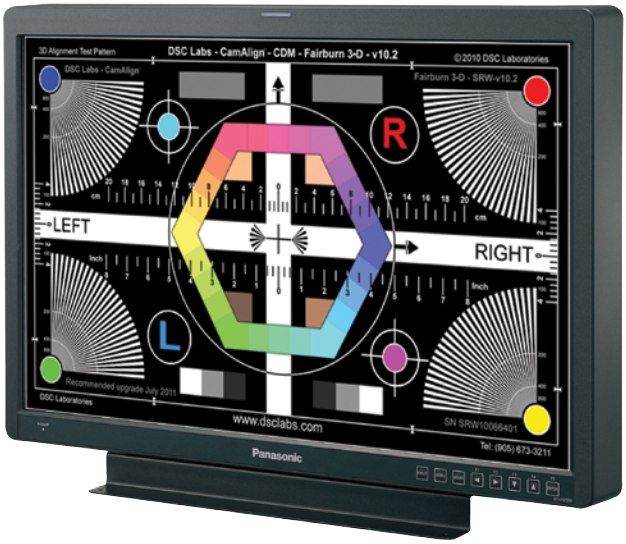
SWITCHERS / MIXERS (cont.)

AV-HS450N - MULTI-FORMAT HD/SD SWITCHER

- 16+ Input HD/SD switcher w/ dual-screen multiviewer display
- 16 HD/SD-SDI Inputs
- 2 DVI-D Outputs
- Additional optional board available
- Colour correction
- 4 HD/SD-SDI outputs
- 10-Bit processing
- Picture-In-Picture
- Keyer

MONITORS

BT-LH2550 - 25.5" LCD HD/SD MONITOR



- Full 1920 x 1200 HD resolution (WUXGA); 1000:1 contrast ratio
- Six colour space settings for use in print, digital graphics and HD video: SMPTE, EBU, ITU-R BT.709, Adobe 2.2, Adobe 1.8 and D-Cinema
- New 2-input split-screen function (1 each: SDI, DVI, Component or Video)
- 3D Look up table (LUT) for precise 10-bit image processing
- Functions include: split-screen/freeze frame, markers, cross hatch overlay and blue-only displays
- Audio level meter overlay display with SDI input (8-channel)
- Two SDI (HD/SD) inputs, component and DVI-D inputs
- Remote control terminals RS-232C/GPI
- Built-in speakers and headphone jack
- Desktop stand and 24 V AC adaptor included

MONITORS (cont.)

BT-LH2170 - 21.0" LCD HD/SD MONITOR

- 1920x 1080 LCD with LED backlight; IPS panel 55cm (21.5in)
- 178°x178° viewing angle
- 1000:1 contrast ratio, 250cd/m²
- Waveform,Vectorscope, Focus-in-Red, HV, audio level, R/G/B colour displays
- 3D Look up table (LUT), 6 axis colour correction 10 bit processing
- Markers and Grid 4:3, 13:9, 14:9 2.39 2.35, 2:1
- 3D production assist functions: mirror, shift, compare, convergence, colour, overlay, zoom/focus, vertical alignment
- HD-SDI, HDMI DVI-I, Video inputs, through outputs
- GPI, RS-485, RS-232C
- AC or DC power

BT-LH1850 - 18.0" LCD HD/SD MONITOR

- 1,366 x 768 (WXGA)
- Eco friendly with a LED backlight
- HD/SD-SDI x 2 w/ switched output, HDMI and HD/SDI-CC
- Pixel to Pixel mapping
- RGB-WFM vector scope
- Colour audio level meter
- Worldwide 59.94 Hz /50Hz compatibility
- Embedded audio via the SDI and HDMI input
- Calibration hardware interface for chroma and luma
- Cine-gamma Film-Rec compensation function
- AC or DC power

BT- LH910G - 9" IPS WXGA (1280 X 768) LCD MONITOR

- 3G-SDI, HD-SDI, HDMI 1.4a. VBS, component , D-SUB15P
- Audio level meter & headphone jack
- RGB waveform, vector scope, Focus-in-Red
- Tally
- Camera VF I/F
- 3D rig support function

MEDICAL GRADE MONITORS

EJ-MDA32U-K
3D/2D MEDICAL MONITOR

- High-definition and high-luminance 3D images
- 3D / Polarized format
- Compatible with various 3D input signals
- Multiple image display: 2-image and 3-image setups (2D display only)
- 3D disparity adjustment function, natural depth perspective
- Safety standards IEC 60601-1 and IEC 60601-1-2 standards
- Canadian Medical Certification ICES-003 Class A

EJ-MLA26U-W
26” FULL HD WIDESCREEN MEDICAL MONITOR

EJ-MLA32U-W
32” FULL HD WIDESCREEN MEDICAL MONITOR

EJ-MLA37U-W
37” FULL HD WIDESCREEN MEDICAL MONITOR

- In-Plane Switching Technology excellent colour images high contrast all viewing angles.
- 3D look up table enables accurate colour reproduction
- Designed and certified for the medical operating room environment
- User selectable picture-in-picture or picture-out-of-picture
- Side-by-side display of 2 HD images; independent adjustment of each
- Multiple HD inputs are standard; no need to purchase optional input board(s)
- HD/SD-SDI: 2 input, BNC x 2
- DVI-D: 2 input, 24 pin x 2 Input 1: with HDCP Input 2: without HDCP
- HD15: 1 input, Dsub 15 pin
- Y/Pb/Pr/RGBS: 1 input, BNC x 5, Y/G, Pb/B, Pr/R, CSYNC/HD, VD
- Video: 1 input, BNC x 1 Y/C: 1 input, miniDIN 4 pin x 1
- RS232C: 1 connector, Dsub 9 pin
- 1 GPI

RECORDING MEDIA: P2

AJ-P2E016FG – P2 F Series Solid State Memory Card – 16GB***
AJ-P2E032FG – P2 F Series Solid State Memory Card – 32GB***
AJ-P2E064FG – P2 F Series Solid State Memory Card – 64GB***

- Higher speed transfer of recorded content (up to 1.2 Gbits/s)
- AVC ULTRA compatible
- Aluminum die-cast casing for superior durability
- Compatible with Panasonic's full line of P2 camcorders, recorders and workflow tools
- Write protect switch

*** *Total card capacity includes space for data management such as system data; therefore, actual usable area is less than the capacity indicated on the card.*

RECORDING MEDIA: SDHC SERIES

RP-SDB32G – SDB series 32GB SD memory card with UHS-I
RP-SDB16G – SDB series 16GB SD memory card with UHS-I
RP-SDB08G – SDB series 8GB SD memory card with UHS-I

- Ultra-high speed transfer rate of up to 90MB/s†
- Speed class 10 for stable HD video recording
- Super Intelligent Controller (SICS) realizes high reliability: over 10 time longer archival life; power failure protection; smart data writing
- A free downloadable 'Card Checker' software indicates the remaining endurance of the card
- A free downloadable Data Recovery Software is available
- QR codes allow you to track SD cards for content management
- 'Proof 5' – Water Proof, Shock Proof, Magnet Proof, X-Ray Proof, Temperature Proof

†*Under UHS-I busI/F*

RECORDING MEDIA: MICRO P2

MICRO P2 CARD ADAPTOR

- This adaptor emulates a P2 card; it mounts the micro P2 card and provides the card interface of a normal P2 card to the existing P2 equipment.
- In emergency situations, an SD card (class10) could be used to record the lower bit rate AVC-Ultra / Intra formats, < 50Mbps. Note, this operation is for emergency use only, SD cards do not provide the rugged raided recording of P2 cards and there is no guarantee of recorded quality
- The micro P2 media and micro P2 Card Adaptor will be available in spring 2013

RECORDING MEDIA: MICRO P2

MICRO P2

- The micro P2 uses a RAID system very much like the standard P2 card. This RAID structure is what provides P2 with its robustness and ensures the required broadcast level of reliability
- Physically rugged SD cards
- Compliant with the UHS-II standard of the SD card consortium
- High guaranteed recording speed, sufficient for AVC-Intra class200
- P2 card data reliability for professional use
- Unique QR code based serial number

RECORDING MEDIA: DVCAM/DV TAPES

AY-DV124AMQ – Advanced Master Quality Full size Cassette - 82min DVCAM / 124min DV

AY-DV186AMQ – Advanced Master Quality Full size Cassette - 124min DVCAM / 186min DV

RECORDING MEDIA: DVCAM/MINIDV/HDV TAPES

AY-DVM63PQ – Professional Quality 63min min DV

AY-DVM63AMQ – Advanced Master Quality Cassette - 42min DVCAM/63min DV / 94min DV extended play

AY-HDVM63MQ – Professional Quality Cassette - Master Grade DVCAM 64 min/96min DV

RECORDING MEDIA: DVCPRO TAPE

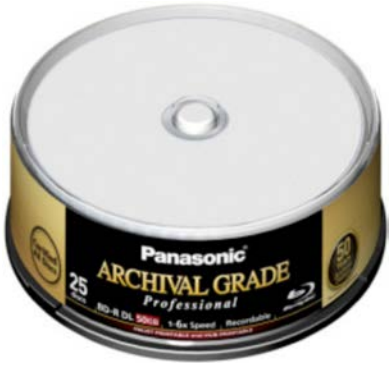
AJ-HP126EXG – Extra Large DVCPRO HD Cassette - for AJ-HD1700/1800/SD965 DVCPRO 252min/DVCPR50 126min/DVCPRO HD 63min

AJ-P126LP – Large DVCPRO HD Cassette - DVCPRO 126min/DVCPR50 64min DVCPRO HD 9micron 64min/DVCPRO HD 32min/

AJ-HP33EMG – Medium DVCPRO Cassette - DVCPRO 66min DVCPR050 33min/DVCPRO HD 9micron 33min/DVCPRO HD 16min

AJ-P66MP – Medium DVCPRO Cassette - DVCPRO 66min/DVCPR050 33min DVCPRO HD 9micron 33min/HD 16min

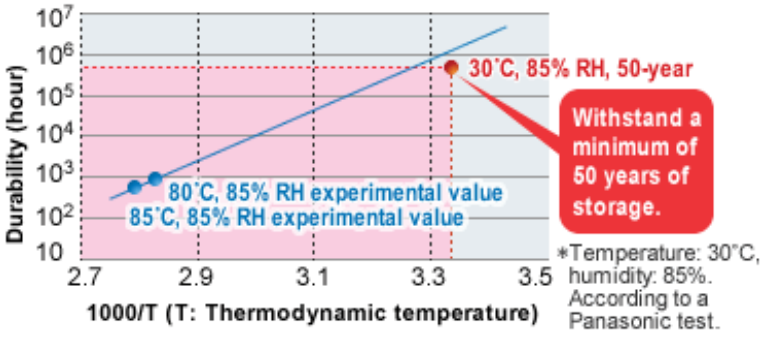
RECORDING MEDIA: BLU-RAY DISCS



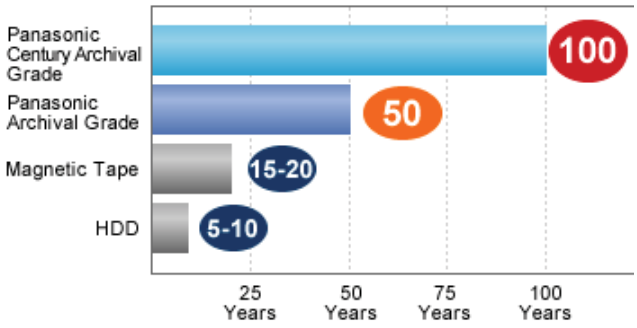
LM-BE50WE
LM-BES25D50
LM-BES25WE25
LM-BES50D50
LM-BES50WB25
LM-BR25MWE5
LM-BR50MWE
LM-BR50WU5
LM-BRS25MD50
LM-BRS2MWE25
LM-BRS50MD50
LM-BRS2MQB25
LM-BRS5MQB25

The highly reliable inorganic phase change recording layer provides a 50- to 100-year archival life.
Compared to magnetic tape and HDD, it is less likely to be affected by humidity, temperature and light, and resists changes over time. Unlike magnetic tape and HDDs, there is no contact between the optical pickup (OPU) and the disc, so it maintains excellent durability even after repeated reading and writing.

■ Long-term storage of more than 50 years at 30℃, 85% RH.



Panasonic Blu-ray™ discs have an archival life of 50 or 100 years, in contrast to an HDD's 5 to 10-year and magnetic tape's 15-20-year archival life. This allows data to be stored for longer periods of time without the need for data migration



DSC LABS

WHY SHOULD I USE A DSCLABS CHART? DSC charts are used to establish and maintain a standard for the quality and 'look' of images produced by a video camera. Adjusting camera settings by using a chart before shooting video ensures the most accurate colour reproduction possible. As well, shooting a few seconds of the chart to capture the lighting used on set for a shot will provide a reference for the post production process. Providing chart reference images with every change of lighting or scene change allows the post production team to make quick corrections and preserve image consistency while minimizing time and money spent in post production.

HOW DO I USE THE COLOURS ON A DSC CHART?

For optimum quality, it is always best to start with an accurate reproduction of the scene. Setting up a camera before a shoot involves aligning a camera's gamma and tracking, using the chart's grayscale and a Waveform Monitor with a reference monitor. Next, set up the cameras' matrix to position colour signals in their respective Vectorscope boxes.

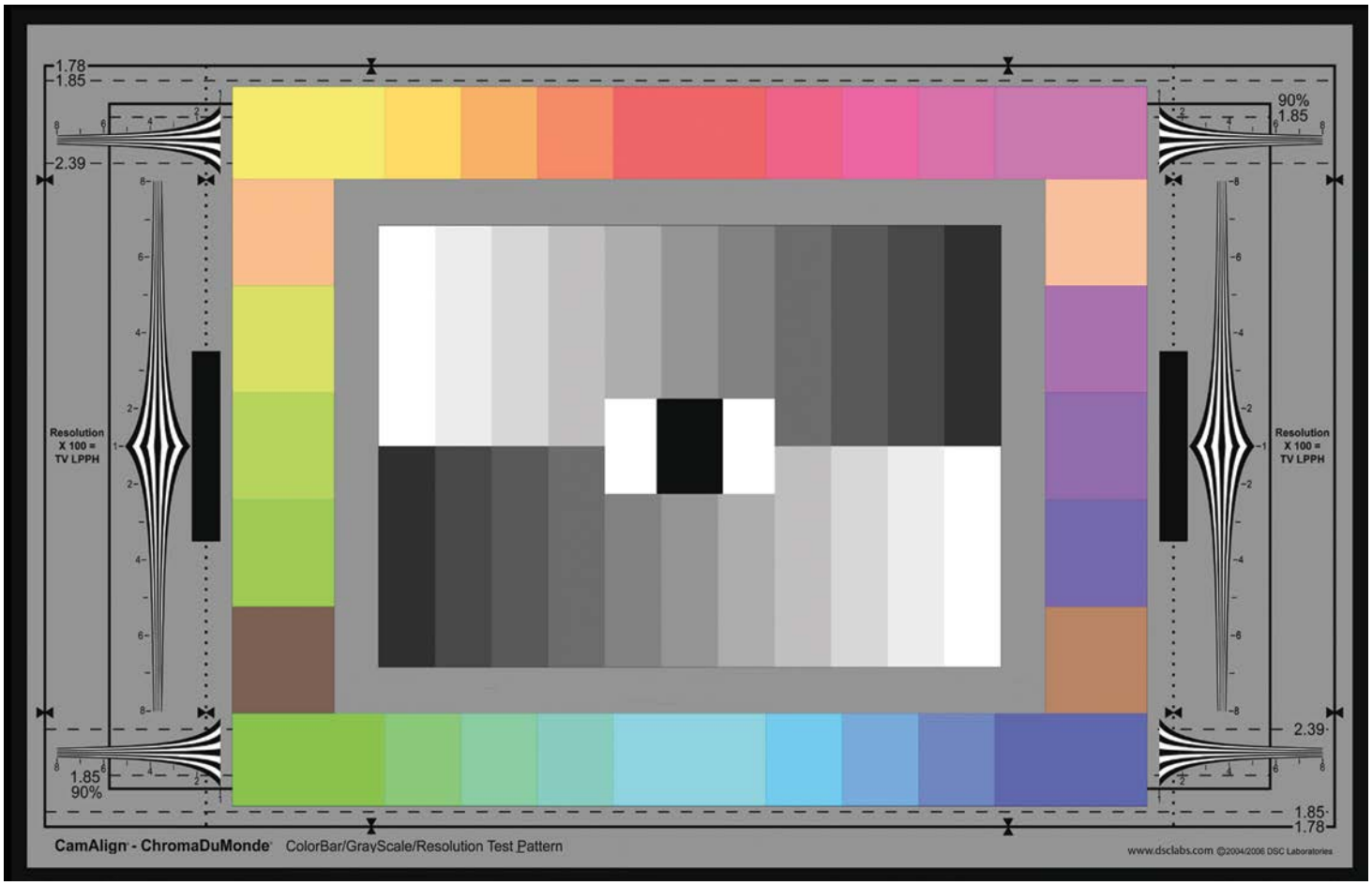
The narrow tolerances of DSC charts give users a higher level of confidence in knowing that placing colour signals in the vector boxes should result in accurate colour reproduction. Making grading decisions with the naked eye is risky, requiring both a perfectly calibrated monitor and a keen eye. With a DSC chart plus colour and waveform data to complement your Non-Linear Editor, you can make intelligent grading decisions, even on a laptop.

WHY SHOULD I WHITE BALANCE TO A DSC PATTERN, WHEN I HAVE ACCESS TO PRINTER PAPER, OR A WHITE WALL? A common mistake is white balancing to a perceived white, rather than a true white. Few papers are truly neutral (typically blue or yellowish). White balancing to these will induce an undesirable false tint to your images. DSC's CamWhite is a spectrophotometrically neutral white chart. While DSC's White N' Warm chart provides both a true white reference, along with DSC's popular image warming chart on the other side.

ARE ALL GRAYSCALES THE SAME? Only DSC grayscales charts are neutral from white to black. Others scales are typically 14-35mV (2 to 5 IRE) yellow on the white chip, becoming more neutral towards black. Aligning with a yellow leaning chart will produce bluish, cold-looking images. As well, some charts have high infra-red reflection in the black and darker chips, which can play havoc with grayscale and colour reproduction in some cameras producing inferior images.

WHAT SIZE CHART SHOULD I BUY? Unless you are shooting in very large venues, select the largest chart you can comfortably carry around. Ideally, place the chart where your subject will be. You should be able to zoom in without going to the far end of the zoom. Avoid using the far end of the zoom, because that is not where lenses perform their best, and there will likely be a shift when you zoom back to your actual framing. As a guide, the 24-inch wide chart, was designed to be used at a distance of ten feet.

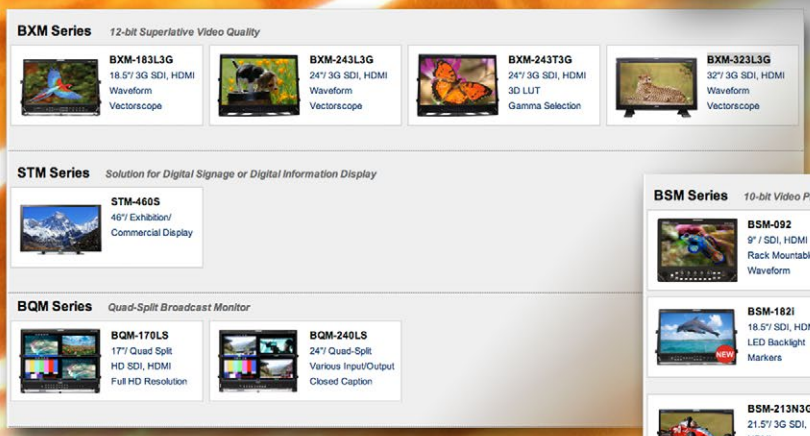
DSC LABS (cont.)



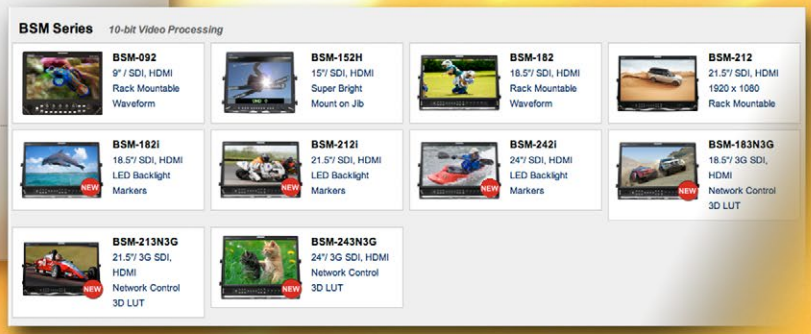
BON PROFESSIONAL MONITORS

BQM-240LS

BQM-170LS



Browse the full line-up at www.bon.co.kr



In order to offer an expansive line-up of professional broadcast monitors, Panasonic Canada Inc. is now an official reseller of BON professional monitors. Whether your need is for Production, TV, Video or Monitoring applications, BON 's diverse product line-up of Broadcast, Field and Recordable monitors has something for you.

FM-072SCH

BXM-323L3G

BSM-243N3G

FM-072SCO

BSM-183N3G

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